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CLAIMS:

What is claimed is:

1. 1.   A method, in a server, comprising:
2   receiving data from a server application;
3   determining whether the data is serializable; and
4   storing the data in a data structure and forwarding,
5   to a client, a reference to the data structure if the
6   data is not serializable.

1 2.   The method of claim 1, wherein the data structure
2   comprises a hash table.

1 3.   The method of claim 2, wherein the reference to the
2   data structure comprises a hash key.

1 4.   The method of claim 1, further comprising:
2   receiving argument data from a client;
3   determining whether the argument data is a reference
4   to a complex object; and
5   retrieving the complex object from the data
6   structure if the argument data is a reference to a
7   complex object.

1 5.   The method of claim 4, wherein the argument data
2   comprises an argument in a server application call.

1 6.   The method of claim 5, further comprising:

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1   passing the complex object as the argument in the
2 server application call.

1 7.   A method, in a server, comprising:
2   receiving argument data from a client;
3   determining whether the argument data is a reference
4 to a complex object; and
5   retrieving the complex object from a data structure
6 if the argument data is a reference to a complex object.

1 8.   The method of claim 7, wherein the data structure
2 comprises a hash table.

1 9.   The method of claim 7, wherein the reference to the
2 complex object comprises a hash key.

1 10.   The method of claim 7, wherein the argument data
2 comprises an argument in a server application call.

1 11.   The method of claim 10, further comprising:
2   passing the complex object as the argument in the
3 server application call.

1 12.   An apparatus, in a server, comprising:
2   receipt means for receiving data from a server
3 application;
4   determination means for determining whether the data
5 is serializable; and

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1   storage means for storing the data in a data
2 structure and forwarding, to a client, a reference to the
3 data structure if the data is not serializable.

1 13. The apparatus of claim 12, wherein the data
2 structure comprises a hash table.

1 14. The apparatus of claim 13, wherein the reference to
2 the data structure comprises a hash key.

1 15. The apparatus of claim 12, further comprising:
2   means for receiving argument data from a client;
3   means for determining whether the argument data is a
4 reference to a complex object; and
5   means for retrieving the complex object from the
6 data structure if the argument data is a reference to a
7 complex object.

1 16. The apparatus of claim 15, wherein the argument data
2 comprises an argument in a server application call.

1 17. The apparatus of claim 16, further comprising:
2   means for passing the complex object as the argument
3 in the server application call.

1 18. An apparatus, in a server, comprising:
2   receipt means for receiving argument data from a
3 client;

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1   determination means for determining whether the

2   argument data is a reference to a complex object; and

3   retrieval means for retrieving the complex object

4   from a data structure if the argument data is a reference

5   to a complex object.

1   19. The apparatus of claim 18, wherein the data

2   structure comprises a hash table.

1   20. The apparatus of claim 18, wherein the reference to

2   the complex object comprises a hash key.

1   21. The apparatus of claim 18, wherein the argument data

2   comprises an argument in a server application call.

1   22. The apparatus of claim 21, further comprising:

2   means for passing the complex object as the argument

3   in the server application call.

1   23. A computer program product, in a computer readable

2   medium, comprising:

3   instructions for receiving data from a server

4   application;

5   instructions for determining whether the data is

6   serializable; and

7   instructions for storing the data in a data

8   structure and forwarding, to a client, a reference to the

9   data structure if the data is not serializable.

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1 24. A computer program product, in a computer readable

2 medium, comprising:

3   instructions for receiving argument data from a

4 client;

5   instructions for determining whether the argument

6 data is a reference to a complex object; and

7   instructions for retrieving the complex object from

8 a data structure if the argument data is a reference to a

9 complex object.